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(405) 340-6300 paia@paia.com

IC3 8031 4
IC1 74HC373
IC2 2764
IC7 74HC373
IC8 DAC08
IC4 4051
IC5 6N138
IC6:A IC6:B IC6:C IC6:D IC6:E IC6:F
IC10:A IC10:B LM324 IC10:C IC10:D
IC11:A IC11:B IC11:C IC11:D
IC12:A IC12:B IC12:C IC12:D
IC13 4051MUX
IC14 7805

S1 DIP-8
X1 12mHz
C1 10uF
C2 33pF
C3
C4 .01
C5 .01
C6 .01
C7 .01
C8 2.2uF
C10 .1
C11 .1
C12 .1
C13 .1
C14 .1
C16 .1
C17 .1
C18 .1
C23 1000uF
C24 .005
C15 10uF
C19 470uF
C20 220uF
C21 470uF
C22 220uF
R6 4700
R15 270
R16 220
R30 220
R33 220
R41 100
R53 10k
R54 4700
R23 10k
R24 10k
R25 10k
R27 10k
R34 10k
R35 10k
R36 10k
R37 10k
R19 2700
R29 10k DAC Tune
R31 6800
R39 39k
R40 33k
R28 4700
15k
(remove for V/Oct)
#R32
R42 4700
R43 4700
R44 4700
R45 4700
R46 4700
R47 4700
R48 4700
R49 4700
R50 30 2W
R51 100
R52 100
R1 10k
R2 10k
R3 10k
R4 10k
R5 10k
R7 10k
R8 1k
R9 390
R10 270
R11 1k
R12 100
R13 120
R14 1k
R17 47
R18 56
R20 1k
R21 22
R26 22
R22 100
D1 6N138
D2 MIDI Active
D3
D4
Q1 2N4124
Q2 2N4124
Q3 2N4124
Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15
PWR1 WALLWART

J1 MIDI IN
J2 THRU
J3 J4 J5 J6 J7 J8 J9 J10

VCC
V+
V-
IC1(40)/IC2,4(20)/IC3(28)/IC7(14)
IC1(20)/IC2,4(10)/IC3(14)/IC7(7)/IC8(12)

IN
OUT
OCTA
OCTB
OCTC
9700–2 V/Hz Adapter

cv/gate 1
cv/gate 2
cv/gate 3
cv/gate 4
cv/gate 5
cv/gate 6
cv/gate 7
cv/gete 8

PAiA Electronics, Inc
Title 8 out MIDI/CV
Size B
Author Simonton
Number 9700
Date
Drawn by js
Filename midi2cv.s01
Sheet of
Rev 1
Rev 2
Rev 3
Rev 4
Rev 5